

~ ~ Inventor search

17/ 3,K/ 1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00790766

ENERGY MANAGEMENT AND BUILDING AUTOMATION SYSTEM
ENERGIEVERTEILUNGS- UND GEBAUDEAUTOMATIONSSYSTEM
SYSTEME DE GESTION DE L'ENERGIE ET D'AUTOMATION DANS LES
BATIMENTS

PATENT ASSIGNEE:

TeCom Inc., (2174661), 702 North Franklin Street, Tampa, FL 33602, (US),
(applicant designated states:
AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE)

INVENTOR:

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HOWERTON, Robert, D., 2582 Wood Trail Lane, Decatur, GA 30033, (US)
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LEGAL REPRESENTATIVE:

Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,
London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 801836 A2 971022 (Basic)

EP 801836 B1 990707

WO 9621264 960711

APPLICATION (CC, No, Date): EP 96903356 960105; WO 96US165
960105

PRIORITY (CC, No, Date): US 369679 950105

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H02J-013/00;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	9927	2370
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CLAIMS B	(German)	9927	2361
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CLAIMS B	(French)	9927	2761
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SPEC B	(English)	9927	19369
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Total word count - document A	0
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Total word count - document B	26861
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Total word count - documents A + B 26861

...SPECIFICATION the Invention

This invention relates to the fields of home or business automation and

to electrical power distribution system management. More particularly, the invention relates to a computer-controlled system for demand-side management of electrical loads in residential and commercial premises, and for otherwise controlling those loads. The system preferably uses power-line carrier (PLC) technology within the premises for communications between a control computer and the...

...RF technology for communications with the facility's (i.e., customer's) local watt-hour meter supplied by the utility company. It may use PLC technology or another communication technology for communications between the utility company and the customer premises.

Additionally,

the invention relates to the use of such a system for providing a...When the network/data bus is the CEBus system or other power-line carrier technology, all data communication within the customer premises may occur over the ac. power lines. This means the system can be installed in any existing, already-wired premises without...

...breakers in their control modules and those breakers are controlled via CEBus signals on the power mains, any circuit that can impose the right signals on the mains can effectuate operation...to an aspect of the invention, showing a plot of average energy usage by a customer, as a function of time over a one-day period, measured over an interval considerably longer than one day, matched against a plot of the customer's actual energy consumption during the same day;

Fig. 30 is an illustration of a graphical report which...the value of the system.

In Fig. 29, a graph 252 is shown of a customer's total energy consumption over one day, compared with a graph of a running average of the customer's usage...

...this instance, the peaks are known to have been caused by the running of an electric clothes dryer. The small peak near 1:30 a.m. was caused by all house...

...Fig. 30, wherein a bar graph has been constructed, showing the cost for operating each monitored load in a single house for one week; obviously such data will change from week...

...Another presentation, in Fig. 31, is a bar graph showing how much of the total energy consumption is due to each of the various loads as a function of time of...

...shows a bar graph in which each bar indicates the daily average cost of each monitored load over some selected time interval; by choosing different intervals to report on, seasonal variations...unauthorized power consumption can be achieved; the inventive system can be used to

monitor the customer 's usage to ensure that all major appliances are turned off and no significant power is being consumed. This is done by periodically (e.g., daily or even hourly) reading the watt-hour meter . The first microcomputer at the premises can be programmed to do this automatically; the utility company also can issue remote requests for meter information. If the system detects power is being used, it can send a notification to the utility company and the utility can undertake appropriate action. Additionally, the system can monitor or allow the utility to monitor specific appliances to ensure they are not consuming power during specified (e.g., peak rate) periods, if the customer has agreed not to use...

17/ 3,K/ 4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01053897 ** Image available**

ENERGY MANAGEMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE DE GESTION D'ENERGIE

Patent Applicant/Assignee:

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23230-3011,

US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

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US

(Residence), US (Nationality), (Designated only for: US)

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US,

US (Residence), US (Nationality), (Designated only for: US)

STRICH Ron, 8344 Aplebrook Terrace, Apt. 206, Raleigh, NC 27617, US, US

(Residence), US (Nationality), (Designated only for: US)

EHLERS Gregory A, 1000 1st Ave. W., Bradenton, FL 34205-7852, US, US

(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

YEE James R (et al) (agent), Howard and Howard Attorneys, P.C., Suite
101, 39400 Woodward Avenue, Bloomfield Hills, MI 48304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200384022 A1 20031009 (WO 0384022)

Application: WO 2003US9925 20030328 (PCT/WO US03009925)

Priority Application: US 2002368963 20020328; US 2002383027 20020524

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG

SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE

SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 31320

Fulltext Availability:

Detailed Description

Detailed Description

... 10D. For example, the metered device 1.08A may be an electricity meter which measures all power being supplied to the customer site

1

[0063]

The control node 1.10B, in general, is used to control the controlled device 1.08B.

In the simplest form the control node...for heating or cooling being established. The actual usage for a particular setpoint for a site 1.04 may, over time, be known and/or sampled and the offsets can then be computed and verified as needed to ensure that the reductions that are calculated are correct. The system 1.02 can thus measure the shorter and less frequent cycling of the HVAC system to create an overall energy savings amount.. For example, if the unit consumes 5kwh ...04 or any other sphere of control, e.g., a plurality of nodes 1.10 across multiple sites, while managing total demand, the economics of the operation and the end use devices.

[00172]...to schedule a refill by the provider balanced against the projected quantity of propane the site 1.04 will consume between the current time and predicted refill schedule time all must be factored into alternative fuel usage as part of the supply chain balancing logic.

[00207] The fifth load control node...the best time and in the most efficient manner to meet the needs of the customer while interacting with all of the other nodes 2.20 in the home 2.18 to meet the contractual obligations of the energy demand cap under which it must

operate. In this example, the node 2.20G may...thermostat. For example, selection of a change system mode thermostat button 4.22A allows the customer to select between automatic and a manual modes. Selection of a change fan mode button 4.22B allows...PROGRAMS may be defined which when activated may curtail one or more devices 1.08 across one or more customer sites 1.04 (see above). The meter 5.16 gives a graphical indication of the immediate power supply which is available from the PROGRAMS defined in the power distribution network.

[003421 Underneath the meter 5.16, a collapsible/expandable tree 5.18 is ...

17/ 3,K/ 8 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0010965807 - Drawing available
WPI ACC NO: 2001-589308/200166
XRPX Acc No: N2001-438934
Utility meter interface apparatus for communication connection between utility company and customer has computer connected to utility meter to provide interface between communication network and user's device
Patent Assignee: EHLERS G A (EHLE-I); HOWERTON R D (HOWE-I); SPEEGLE G E (SPEE-I)
Inventor: EHLERS G A; HOWERTON R D; SPEEGLE G E
Patent Family (1 patents, 1 countries)
Patent Application
Number Kind Date Number Kind Date Update
US 20010010032 A1 20010726 US 1998179487 A 19981027 200166 B
US 2001781619 A 20010212

Priority Applications (no., kind, date): US 1998179487 A 19981027; US 2001781619 A 20010212

Patent Details
Number Kind Lan Pg Dwg Filing Notes
US 20010010032 A1 EN 64 40 Continuation of application US 1998179487

Utility meter interface apparatus for communication connection between

utility company and customer has computer connected to utility meter
to provide interface between communication network and user's device

Alerting Abstract ...USE - Applicable for communication connection regarding electrical power distribution system management between utility company and customer .

...

...ADVANTAGE - Enables customer to determine power consumption information since power consumption is monitored , thereby enabling customer to make decisions in load utilization. Enables power company to selectively control load for distribution to customer according to supplied energy rate information of power company and parameters supplied by customer...

...DESCRIPTION OF DRAWINGS - The figure shows the block diagram of energy management system using utility meter interface apparatus...

...14 Utility meter

Original Publication Data by Authority

Argentina

17/ 3,K/ 12 (Item 1 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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05823029 E.I. Monthly No: EIM8911-043027

Title: Integrated well monitor/ pump off control system .

Author: Blevins, B. A.; Turner, J. M.; Knight, R. M.; Nethers, J.

Corporate Source: Xytex

Conference Title: SPE Annual Technical Conference & Exhibition

Conference Location: Houston, TX, USA Conference Date: 19881002

E.I. Conference No.: 12427

Source: Society of Petroleum Engineers of AIME, (Paper) SPE v Pl. Publ by Soc of Petroleum Engineers of AIME, Richardson, TX, USA. p 739 18256

Publication Year: 1988

CODEN: SEAPAZ

Language: English

Abstract: A small natural gas and oil field located in East central Wyoming (32 wells) has been placed under computer control. The system includes gas production monitoring gas well control, and oil well

monitoring and control. The remote terminal units use identical hardware and software for all locations and are highly integrated. Gas well flow is monitored by using electronic meters certified for custody transfer. Condensate and oil...

~ ~ Bibliographic patent files

32/ 3,K/ 3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2008 The Thomson Corporation. All rts. reserv.

0016025040 - Drawing available
WPI ACC NO: 2006-556670/200657
Related WPI Acc No: 2001-581877; 2002-164034
XRPX Acc No: N2006-446546
Device e.g. electrical appliance, maintaining method, involves selecting degree of access of servicing site`s maintenance functions to maintenance-related information of target device, and commanding device to perform task by user

Patent Assignee: NEXTNINE INC (NEXT-N)
Inventor: DULBERG A; ELKAYAM R; LEVONAI G; MANIV E; MINZER O
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20060161394	A1	20060720	US 2000182211	P	20000214	200657

B

US 2000654925	A	20000905
US 2001264729	P	20010130
US 2001264730	P	20010130
WO 20011L144	A	20010214
US 2003203865	A	20031212
US 2006376521	A	20060315

Priority Applications (no., kind, date): US 2000182211 P 20000214; US 2000654925 A 20000905; US 2001264729 P 20010130; US 2001264730 P

20010130; WO 20011L144 A 20010214; US 2003203865 A 20031212; US 2006376521 A 20060315

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20060161394	A1	EN	22	6	Related to Provisional US 2000182211 C-I-P of application US 2000654925 Related to Provisional US 2001264729 Related to Provisional US 2001264730

Division of application WO 20011L144

Division of application US 2003203865

Device e.g. electrical appliance, maintaining method, involves selecting degree of access of servicing site`s maintenance functions to...

Alerting Abstract ... USE - Used for maintaining a device e.g. electrical appliance...

...perform the maintenance-related task by the user, thus effectively maintaining the device such as electrical appliance in a simple and cost effective manner...

...DESCRIPTION OF DRAWINGS - The drawing shows a schematic block representation of a service network

Title Terms.../Index Terms/Additional Words: ELECTRIC ; ...

... SERVICE ; ...

... PERFORMANCE ;

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0011/30 ...

G06F-0011/30 ...

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

A method of device maintenance, comprising: providing a maintenance network including a user site and a multi-device servicing site that provides maintenance to at least one target device in said user site; selecting, by...

Claims:

32/3,K/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013076547 - Drawing available

WPI ACC NO: 2003-156879/200315

XRPX Acc No: N2003-123833

Sales prediction using client value represented by three index axes
as

criterion has customer consumption information on specific
commodity

divided into customer value evaluation cells for judging magnitudes
of

current and future values

Patent Assignee: DENTSU TEC INC (DENT-N); DENTSU TECH KK (DENT-N);
KAWAI

T (KAWA-I); WATARAI K (WATA-I)

Inventor: KAWAI T; WATARAI H; WATARAI K

1 Patent Family (7 patents, 99 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2002099711	A1	20021212	WO 2002JP4289	A	20020426	200315 B
JP 2002358402	A	20021213	JP 2001165325	A	20010531	200315 E
EP 1413967	A1	20040428	EP 2002722876	A	20020426	200429 E
			WO 2002JP4289	A	20020426	
KR 2004006009	A	20040116	KR 2003715763	A	20031201	200434 E
US 20040138958	A1	20040715	WO 2002JP4289	A	20020426	200447 E
			US 2003478376	A	20031121	
AU 2002253649	A1	20021216	AU 2002253649	A	20020426	200452 E
CN 1513151	A	20040714	CN 2002811042	A	20020426	200467 E

Priority Applications (no., kind, date): JP 2001165325 A 20010531

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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WO 2002099711	A1	JA	46	19		
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National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR
BY

BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM
HR HU ID

IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO

NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US
UZ VN

YU ZA ZM ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH

GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

JP 2002358402	A	JA	24			
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EP 1413967	A1	EN			PCT Application	WO 2002JP4289
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Based on OPI patent WO 2002099711

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR
IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20040138958 A1 EN PCT Application WO 2002JP4289

AU 2002253649 A1 EN Based on OPI patent WO 2002099711

Sales prediction using client value represented by three index axes
as

criterion has customer consumption information on specific
commodity

divided into customer value evaluation cells for judging magnitudes
of

current and future values

Alerting Abstract ...NOVELTY - A sales prediction method for predicting
the sales of a specific commodity depending on the investment
object/condition by judging the magnitudes of the current and future...

DESCRIPTION - The method is characterized in that customer consumption
information on a specific commodity is divided into customer value
evaluation cells for judging the magnitudes of the current and...

... USE - For predicting the sales of a specific commodity .

...ADVANTAGE - The variations with time during different measurement
periods of time of the cells and variation caused by sales promotion
investment are measured , and the causal relation between the sales
promotion investment and the sales is quantified , thereby making a sales
prediction simulation

Title Terms.../Index Terms/Additional Words: COMMODITY ;

Class Codes

International Classification (Main): G06F-017/ 60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0019/ 00 ...

... G06Q-0010/ 00 ...

... G06Q-0030/ 00 ...

... G06Q-0030/ 00 ...

... G06Q-0050/ 00

G06F-0019/ 00 ...

... G06Q-0010/ 00 ...

... G06Q-0030/ 00 ...

... G06Q-0030/ 00 ...

... G06Q-0050/ 00

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

...user-type index (second axis), and a customer-purchase-relevance index (third axis), and that measures changes in the customer -asset cells over time and changes due to sales-promotion investments, and that simulates sales by quantifying causal relationships between sales -promotion investments and sales...

...customer value and resources for future customer value, based on purchase data for specific merchandise and using three axes, including a purchase- amount index (first axis), a user- type index (second axis), and a customer -purchase-relevance index (third axis), and that measures changes in the customer-asset cells over time and changes due to sales-promotion investments, and that simulates sales by quantifying causal relationships between sales-promotion investments and sales.

...A sales prediction method for predicting the sales of a specific commodity depending on the investment object/condition by judging the magnitudes of the current and future values of the customers and the resource and by providing selection information on effective sales promotion investment depending on the customer. The method is characterized

in that customer consumption information on a specific commodity is divided into customer value evaluation cells for judging the magnitudes of the current and future values of the customers and the resource of the customer future value by...

...a customer purchase participation index axis (third index axis), the variations with time during different measurement periods of time of the cells and variation caused by sales promotion investment are measured , and the causal relation between the sales promotion investment and the sales is quantified , thereby making a sales prediction simulation.

Claims:

...axis), a user-type index (second axis), and a customer-purchase-relevance index (third axis); measuring changes in the customer-asset cells over time and changes due to sales-promotion investments; and simulating sales by quantifying causal relationships between sales-promotion investments and sales .

32/ 3,K/ 16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0012386636 - Drawing available
WPI ACC NO: 2002-330119/200236
XRPX Acc No: N2002-259029

Commodity home delivery system for servicing customer terminals
Patent Assignee: EVERY D.COM KK (EVER-N); OHMAE K (OHMA-I)
Inventor: MIYATA M; OHMAE K; OMAE K
Patent Family (3 patents, 92 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2002027585	A1	20020404	WO 2000JP9386	A	20001228	200236 B
AU 200124048	A	20020408	AU 200124048	A	20001228	200252 E
JP 2003288537	A	20031010	JP 2000291259	A	20000925	200367 E

Priority Applications (no., kind, date): JP 2000291259 A 20000925

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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WO 2002027585	A1	JA	65	22		
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National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY

BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN

IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ

PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200124048	A	EN		Based on OPI patent	WO 2002027585
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JP 2003288537	A	JA	14		
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Commodity home delivery system for servicing customer terminals

Original Titles:

... COMMODITY HOME DELIVERY SYSTEM AND METHOD

Alerting Abstract ...NOVELTY - A commodity home delivery system comprises a server device a customer terminal device, and a supplier terminal, all interconnected through a network. The server device has a database including a commodity maser where commodity information is registered, a customer master where customer information is registered, a supplier master where...

USE - Commodity home delivery system for servicing customer terminals

Title Terms/Index Terms/Additional Words: COMMODITY ; ...

... SERVICE ;

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06Q-0030/00 ...

... G06Q-0050/00

G06Q-0030/00 ...

... G06Q-0050/00

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

A commodity home delivery system comprises a server device a customer terminal device, and a supplier terminal, all interconnected thorough a network. The server device has a database including a commodity

maser where commodity information is registered, a customer master

where customer information is registered, a supplier master where supplier information is registered...

...instruction module for creating ordering/stocking instruction information about instruction to order/stock an ordered commodity or a material ordered by the customer terminal, a picking instruction module for creating sorting/packaging instruction information about instruction to sort/package the commodity or material stocked by the ordering/stocking instruction module, and a delivery instruction module for creating delivery instruction information about instruction to designate a delivery route along which the commodity or material packaged according to the instruction of the picking instruction module is delivered to a place that the...
Claims:

***** of interest*****

32/3,K/31 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0002216595

WPI ACC NO: 1981-C6142D/198112

Central consumer utility consumption monitoring system - enables charges to be altered and displayed at individual consumer locations

Patent Assignee: KARLSSON B G E (KARL-I)

Inventor: JONSON I; JONSSON I; KARLSSON B G; KARLSSON B G E

Patent Family (7 patents, 11 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
WO 1981000619	A	19810305	WO 1980SE213	A	19800820	198112 B
SE 197906983	A	19810323	SE 19796983	A	19790821	198115 E
EP 35025	A	19810909	EP 1980901671	A	19800820	198138 E
JP 56501068	W	19810730				198151 E
US 4442492	A	19840410	US 1981255240	A	19810417	198417 E
EP 35025	B	19860122	EP 1980901671	A	19800820	198604 E
DE 3071365	G	19860306				198611 E

Priority Applications (no., kind, date): SE 19796983 A 19790821

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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WO 1981000619	A	EN				
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National Designated States,Original: AT CH DE DK GB JP NL

Regional Designated States,Original: AT CH DE FR GB NL NO US

SE 197906983	A	SV				
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EP 35025	A	EN				
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Regional Designated States,Original: AT CH DE FR GB LI NL

EP 35025	B	EN				
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Regional Designated States,Original: AT CH DE FR GB LI NL

Central consumer utility consumption monitoring system...

Original Titles:

...A DEVICE FOR CENTRAL READING AND REGISTRATION OF CUSTOMERS' POWER CONSUMPTION

...

...SYSTEM FOR CENTRAL READING AND REGISTRATION OF CUSTOMERS' POWER CONSUMPTION

...A DEVICE FOR CENTRAL READING AND REGISTRATION OF CUSTOMERS' POWER CONSUMPTION

Alerting Abstract ...a central and automatic reading and registration of

a consumer, of a group of consumers' consumption of e.g. electricity, water, gas, heat through the power distribution network. The device includes a central unit receiving information from one or more addressable consumer locations each comprising a sensor (17,18,19) for each form of consumption connected to the store of a microcomputer (13). The central unit is arranged to automatically...

...being provided with at least one indication unit (23,24,25) for indicating the present energy price...

...The charge can always and effectively be related to the cost of production for the energy and thus a more equitable charging system can be created, which promotes saving of energy.

Equivalent Alerting Abstract ...A computer is located at the electric energy distributor or producer and sends out digital, pref. binary, control signals to all consumer locations by way of the power distribution network. The control signals pref. comprise an address part and a command part indicated...

Title Terms.../Index Terms/Additional Words: MONITOR ;

Class Codes

... (Additional/Secondary): G06F-015/20

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

Device for a central and automatic reading, registration and control of energy consumption meters (12) located at consumers. The communication between producer and consumer is made through codified signals, which by way of modem (22) are superposed on the line voltage of the power distribution network (S, R, T). Thus the charge per unit energy consumed can be easily changed from a time to another. The charge

can therefore always and effectively be related to the cost of production for the energy, and thus a more equitable charging system can be created, which promotes saving of energy.

...A device is disclosed for central and automatic reading, registration and control of energy consumption meters located at consumer locations. The communication between producer and consumer

is made through codified signals, which by way of a modem are superposed on the line voltage of the power distribution network. Thus the charge per unit energy consumed can be easily changed from one time

to another. The change can therefore always and effectively be related to the cost of production for the energy, and thus a more equitable charging system can be created, which promotes saving of energy.

...Device for a central and automatic reading, registration and control of energy consumption meters (12) located at consumers. The communication

between producer and consumer is made through codified signals, which

by way of modem (22) are superposed on the line voltage of the power distribution network (S, R, T). Thus the charge per unit energy consumed can be easily changed from a time to another. The charge can therefore always and effectively be related to the cost of production for the energy, and thus a more equitable charging system can be created, which promotes saving of energy. >

Claims:

A system for automatically reading and registering at a central location (11) the individual consumption of at least a meterable quantity such as electricity, water; gas or heat, at at least one remote addressable consumer location (12), wherein electric power distribution lines extend through said central and the or each consumer location, said system comprising...

...microcomputer (13) with its peripheral devices consisting in: modulator-demodulator means (22) connected to said power distribution lines for receiving first and second control signals from and transmitting data signals to said central location via said power distribution lines, said first and second control signals comprising an address code for addressing the or each consumer location; sensor means (17, 18, 19) for measuring consumption of the or each meterable quantity at the or each consumer location; accumulator means (15) for accumulating data representing the amount of the or each meterable quantity measured at said sensor means (17, 18, 19); means responsive to reception of the second control...

...at said modulator-demodulator means (22) for transmitting to said central location (11) via said power distribution lines data signals representing the accumulated data in said accumulator means (15); at said

...transmitting said first and second control signals to the or each consumer location via said power distribution lines; and means for receiving the data signals transmitted from the or each consumer location via said power distribution lines, characterised in that storage means

(16) for storing a selectively modifiable current billing rate charged for consumption of the or each meterable quantity is arranged at the or each consumer location; in...

...the first control signal at said modulator-demodulator means (22) for changing the current billing rate stored in said storage means is

~ ~ Full text patent files

25/ 3,K/ 7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01626234

SYSTEM FOR CONCURRENT OPTIMIZATION OF BUSINESS
ECONOMICS AND CUSTOMER VALUE
SYSTEME DESTINE A L'OPTIMISATION SIMULTANEE DE L'ECONOMIE
D'UNE ENTREPRISE
ET DE LA VALEUR D'UN CLIENT

Patent Applicant/Inventor:

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(Nationality), (Designated for all)

Legal Representative:

HENRY Steven J (agent), Wolf, Greenfield & Sacks, P.C., 600 Atlantic
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200820307 A2 20080221 (WO 0820307)

Application: WO 20071B2547 20070623 (PCT/WO IB2007002547)

Priority Application: US 2006474115 20060623; US 2006506451 20060818

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BH BR BW BY BZ CA CH CN CO CR CU CZ
DE DK

DM DO DZ EC EE EG ES FI GB GD GE GH GM GT HN HR HU ID IL IN IS JP
KE KG

KM KN KP KR KZ LA LC LK LR LS LT LU LY MA MD ME MG MK MN MW MX MY
MZ NA

NG NI NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SK SL SM SV SY TJ
TM TN

TR TT TZ UA UG US UZ VC VN ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV

MC MT

NL PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 141028

International Patent Class (v8 + Attributes)
IPC + Level Value Position Status Version Action Source Office:
G06Q-0030/ 00 ...
Fulltext Availability:
Detailed Description
Claims

Detailed Description

... or profitability by unbundling their products and services, and best matching the offerings with a customer 's expressed preference/cost tradeoffs. Since the customer gets something matching more closely his or her preferences than a "one size fits all " or small, fixed choice approach, customer purchase utility is increased and the customer is pleased to receive a product or service tailored to the customer 's preferences.

A company may charge for the purchase of some product options. So, customers...

25/ 3,K/ 8 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01482280

ENERGY AND CHEMICAL SPECIES UTILITY MANAGEMENT SYSTEM
SYSTEME DE GESTION DE SERVICES, D'ESPECES CHIMIQUES ET
D'ENERGIE

Patent Applicant/Assignee:

LIGHTRIDGE RESOURCES LLC, 1111 N. Loop West, Suite 200, Houston, TX 77008

, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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ELLISON Brent, 1111 N. Loop West, Suite 200, Houston, TX 77008, US, US (Residence), US (Nationality),

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(Residence),

US (Nationality),

Legal Representative:

KNOBLOCH Charles S et al (agent), ARNOLD & FERRERA, L.L.P., 2401 Fountain

View, Dr., Suite 630, Houston, TX 77057, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200728158 A2-A3 20070308 (WO 0728158)

Application: WO 2006US34565 20060905 (PCT/WO US2006034565)

Priority Application: US 2005714038 20050902

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM

DZ EC EE EG ES FI GB GD GE GH GM HN HR HU ID IL IN IS JP KE KG KM KN KP

KR KZ LA LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MY MZ NA NG NI NO

NZ OM PG PH PL PT RO RS RU SC SD SE SG SK SL SM SV SY TJ TM TN TR TT TZ

UA UG US UZ VC VN ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV

MC NL

PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 175987

International Patent Class (v8 + Attributes)

IPC + Level Value Position Status Version Action Source Office:

G06F-0007/ 00 ...

...US

G06F-0017/ 00 ...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... of all those tools that would be required to make the best decisions in the energy and chemical species (E/CS) management space without duplicating the much more elaborate complete tools available in the market. The principle is thus to ensure data quality...

...that matters in the B/CS decision space. This leads to results that are much more accurate and reliable and therefore better operating, tactical and strategic decisions. The essential elements integrated...are determined by applying equipment loss factors to the energy used in selected functional categories: steam systems, fired systems (heating and cooling), refrigeration, and others. The loss factors used in this across equipment, units, plants and portfolios are executed each day. These decisions are driven by conflicting objectives while plant operations are also being simultaneously...and hospitals). Of these, LightRidge is V estimating that its addressable market s approximately 340 sites with central facilities that have multiple buildings, operating multiple pieces of equipment in the same central utility location. LightRidge estimates that it will integrate its solution at 15 of these facilities by...

...evident in Houston, Texas, where new NOx regulations mandate a 90% reduction in NOx emissions over the next 5 years. This is already driving a significant number of energy related projects...

...Company's target markets.

Reduced Suifur Content in Petroleum Products: The refining industry is facing more stringent regulations concerning the sulfur content in diesel and gasoline products. These new sulfur regulations...that a broader timeframe of data is utilized. By broadening the window of time, other, more reasonable data points can be utilized to overcome singular data glitches." Sensor noise and temperature variations One of the major problems encountered in any systems optimization is ensuring that the measuring instruments used to monitor unit metrics are accurate and reliable. The following list provides a summary list of how...for an additional fee, LightRidge could extend and professionally customize the documentation for the specific site . As with all software implementations of this type , much of the specific documentation is produced after the software is customized for the CLIENT's needs Various license...

...lb/h 99783 9978 Purchased Steam cost (day 8,382 \$ 8382 \$ 0 Net Hmu WHeat

Steam export lb/h-52751 94807 Waste heat Steam Benefit / day \$ (5 698)
\$ (5 fl98) Soft...

...up Cost (day. \$. 147 \$ 147 \$. Electricity Demand Total
0-0-TotalstedemandwihoutH2systkW a., 2695. 26985. . , 8 Site
'Generatedeg.TutbineskW 3985 3985, . Hydrogen system power requirer
lcW

0 0 Purchased Power kW 23000 23000

1 Purchased Power cost f day

\$ 22,080 \$ 22,080 \$. E-3index Performance (te of Sase Index
 1000Btu l Charge) TotalStiergy Cost 1day
 S 264,408 \$ 21{} 4ll. \$ * 53,997.

Overall Energy Index (MBtu 1.BBL crude] 361 361:
 ., . oTanWm Additional
 Linked Utility Coats Units Base Case...key.

3. Excel command functions are provided for access to the license dialog.
 See the Steam Addin specification.

3.5.2 Maintainability 1. The program source code shall be written with...

...Unit Model Specification 9 September, 2001

7. All Excel Visual Basic for Applications, Excel worksheet utilities
 and the acceptance tests shall be developed and tested using both Excel
 97 and Excel...

...shall be provided as a separate zip file.

4 APPENDIX A-CALCULATION ALGORITHMS 4.1 Steam Header 4.1.1
 Equations

Producers Vent(s) Users A steam header is a "mixer/splitter" model with
 an arbitrary number of inputs and an arbitrary...

...MXSTM P= pressure T temperature

Unit Model Specification 9 September, 2001

q = quality (1-saturated steam , 0-saturated condensate) The header
 pressure is: (a) specified by the user or (b) the...

...mproduct 0 (1) Where: mfd = summation of all the feed steams into the
 mixer mproduct = steam mass flow to the deaerator The enthalpy
 balance

is: Hfeed-HPrOdUCt 0 (2)

Unit Model...

...which is specified or calculated from MXSTM P = pressure T = temperature
 q = quality (1-saturated steam , 0-saturated condensate) The user1
 specifies:-The inlet stream conditions or-The outlet stream conditions...

...the mass flow rate of the unknown stream by applying equation (1).

2. Solve the energy balance of the mixer by applying equation (2).

4.3 Boiler 4.3.1 Equations Superheated steam Saturated steam Boiler

feed water Boiler blow A boiler is a "splitter" model with boiler feed water entering the unit and several qualities of steam and blow down leaving. It uses an amount of energy to elevate the boiler feed water enthalpy to produce useful quantities of steam .

The mass balance is: $m_b - m_{\text{steam}}$

$m_{bd} = 0$ (1) The blow down is normally calculated as a percentage of the boiler feed water entering the boiler: Typical ranges for blow down percentages are between 3% and 7 %, typically...

...as a default value.

$m_{bd} = \%bd / I(\text{deg})(\text{deg}) * m_{bfW}$ (2) Where: m_{bfW} = boiler feed water mass

flow m_{bd} blow down mass flow Substituting equation (2) into equation (1) and rearranging...

***** of interest***** (bad date)

25/ 3, K/ 22 (Item 22 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00873196 **Image available**

SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
ENERGY USAGE

SYSTEME ET PROCEDE PERMETTANT DE SURVEILLER ET DE
COMMANDER L'UTILISATION
D'ENERGIE

Patent Applicant/Assignee:

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US (Residence), US (Nationality)

Inventor(s):

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MCCLUTCHY John H Jr, 11 Molly Lane, Darien, CT 06820, US,

PATEL Devang, 24 Deepwood Drive, Danbury, CT 06810, US,

Legal Representative:

LOWRY David D (et al) (agent), Brown Rudnick Freed & Gesmer, One
Financial Center, Boston, MA 02111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200207365 A2-A3 20020124 (WO 0207365)

Application: WO 2001US22209 20010713 (PCT/WO US0122209)

Priority Application: US 2000218094 20000713

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK
DM DZ

EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS

LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7635

...International Patent Class (v7): G06F-019/00

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... device controller to control the at least one power consuming device.

It also includes a power measurement device within each facility, to measure power consumption by power consuming devices within the facility; a communications network, in communication with the device controllers and the power measurement devices; and a central location, in communication with the communications network, to remotely monitor power usage at each facility as measured by the power measurement device. The central location communicates with the device

controllers over the communications network in order to individually control the at least one power consuming device at each facility.

BRIEF DESCRIPTION OF THE DRAWINGS

The foregoing and other features and advantages of the present invention will be more fully understood from the following detailed description of illustrative embodiments, taken in conjunction with the...

Claim

... each facility, said device controller to control said at least one power consuming device; a power measurement device within each facility, to measure power consumption by power consuming devices within said facility; a communications network, in communication with said device controllers and said power measurement devices; a central location, in communication with said communications network, to remotely monitor power usage at each facility as measured by said

power measurement device; wherein said central location communicates with said device controllers over said communications network in order to individually control said at least one power consuming device at each facility.

10 The system of claim 9 wherein said at least one device controller controls...

25/ 3,K/ 30 (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761430 ** Image available**

SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING
PRIORITY INFORMATION

CONCERNING COMPONENTS OF A SYSTEM
SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE
CLASSER PAR ORDRE DE
PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU
NECESSAIRES A LA MISE
EN OEUVRE D'UNE TECHNIQUE

Patent Applicant/Assignee:

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US (Residence), US (Nationality)

Inventor(s):

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Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073956 A2-A3 20001207 (WO 0073956)

Application: WO 2000US14406 20000524 (PCT/WO US0014406)

Priority Application: US 99321274 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY CA CH CN CR CU
CZ

(utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EE

(utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN

IS JP KE KG KP KR (utility model) KR KZ LC LK LR LS LT LU LV MA MD MG

MK

MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK (utility model) SK SL

TJ TM

TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149024

Main International Patent Class (v7): G06F-017/ 60

Fulltext Availability:

Detailed Description

Detailed Description

... the pictorial representation in combination. In the alternative, the transparency and overlay may comprise a single unitary display device . Further, such device may take the form of a slide, full size transparency, or any other device that...

~ ~ Bibliographic NPL files - 1

22/ 3,K/ 1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2008 Institution of Electrical Engineers. All rts. reserv.

08554490 INSPEC Abstract Number: B2003-04-6215-019

Title: Parameterization of powering solutions for telecom/ datacom clients

Author(s): Godrich, K.L.

Author Affiliation: eNetPower Inc., Dayton, NJ, USA

Conference Title: Intelec. 24th Annual International Telecommunications Energy Conference (Cat. No.02CH37374) p.273-8

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2002 Country of Publication: USA xvi+ 640 pp.

ISBN: 0 7803 7512 2 Material Identity Number: XX-2002-02890

U.S. Copyright Clearance Center Code: 0-7803-7512-2/02/\$17.00

Conference Title: INTELEC 2002 - International Telecommunications Energy Conference

Conference Sponsor: Power Electron. Soc. IEEE

Conference Date: 29 Sept.-3 Oct. 2002 Conference Location: Montreal, Que., Canada

Language: English

Subfile: B

Copyright 2003, IEE

Abstract: Quality of Service (QoS), for a consultant, is the answer to

some basic questions like: "Is this solution optimal for this client in terms of: reliability, maintainability and budget?" In the SLA (Service Level Agreement) of those days, mission critical sites are signing with their client's very severe power QoS based in what the consultants optimized for them. The job of powering vast international...

... IDCs is not easy. The authors try, in this paper, to present some examples from each kind of site including configurations and discussions of various "qualitative factors" through a unique parameterization model for "touch and...

22/ 3,K/ 4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2008 Institution of Electrical Engineers. All rts. reserv.

07619306 INSPEC Abstract Number: B2000-07-8110D-013

Title: Synthesis of power system load profiles by class load study

Author(s): Chen, C.S.; Kang, M.S.; Hwang, J.C.; Huang, C.W.

Author Affiliation: Dept. of Electr. Eng., Nat. Sun Yat-Sen Univ., Kaohsiung, Taiwan

Journal: International Journal of Electrical Power & Energy Systems
vol.22, no.5 p.325-30

Publisher: Elsevier,

Publication Date: June 2000 Country of Publication: UK

CODEN: IEPSDC ISSN: 0142-0615

SICI: 0142-0615(200006)22:5L:325:SPSL;1-M

Material Identity Number: I344-2000-004

U.S. Copyright Clearance Center Code: 0142-0615/2000/\$20.00

Language: English

Subfile: B

Copyright 2000, IEE

Title: Synthesis of power system load profiles by class load study

Abstract: This paper proposes a methodology for the synthesis of power system load profiles by class load study. There are more than 900 customers over various customer classes are selected by the sampling design for the installation of intelligent meters over six districts in the Taipower system. The load data of all the test customers have been collected and the typical load patterns of customer classes have been derived for each service district. The billing data of all the customers in the Taipower customer information system (CIS) are retrieved and the typical load patterns derived are applied to solve the hourly load composition of all customer classes. The actual power consumption in each study district, which has been recorded by the Taipower distribution dispatch control system (DDCS), is used to verify the accuracy of the power profiles derived. In the same way, the power profiles of Taipower system are then also synthesized. It is concluded that

the system power profile can be estimated by the aggregation of class load patterns in a rather precise manner.

...Descriptors: power consumption...

... power systems

Identifiers: power system load profiles synthesis...

... power consumption...

...longitudinal power system

22/ 3,K/ 6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2008 Institution of Electrical Engineers. All rts. reserv.

07349146 INSPEC Abstract Number: A1999-20-3120A-011

Title: Interaction optimized basis sets for correlated ab initio calculations on the water dimer

Author(s): van Duijneveldt-van de Rijdt, J.G.C.M.; van Duljneveldt, F.B.

Author Affiliation: Debye Res. Inst., Utrecht Univ., Netherlands

Journal: Journal of Chemical Physics vol.111, no.9 p.3812-19

Publisher: AIP,

Publication Date: 1 Sept. 1999 Country of Publication: USA

CODEN: JCPSA6 ISSN: 0021-9606

SICI: 0021-9606(19990901)111:9L.3812:IOBS;1-J

Material Identity Number: J008-1999-033

U.S. Copyright Clearance Center Code: 0021-9606/99/111(9)/3812(8)/\$15.00

Language: English

Subfile: A

Copyright 1999, IEE

Title: Interaction optimized basis sets for correlated ab initio calculations on the water dimer

Abstract: A compact basis set is constructed for the water dimer by focusing directly on an optimal description of the counterpoise-corrected interaction energy (ΔE) rather than on the total energy of the fragments. The optimization criterion is that the basis set should be of uniform...

... the truncation error in ΔE due to the basis set incompleteness should be the same for all symmetry types at all sites. Aiming at a truncation error of 10 mu hartree per symmetry at the SCF+ MP2...

... many orbital-based calculations that have been reported for this system only Schutz' 1046-function calculation [J. Chem. Phys. 107, 4597 (1997)] was more accurate. The small size of the interaction optimized sets opens

the possibility for high-accuracy SCF+ MP2 work on larger systems than have been accessible before. It also brings higher -level correlated treatments within reach. An Appendix summarizes two additivity rules which allow the Delta...

...Descriptors: water

...Identifiers: water dimer...

...counterpoise-corrected interaction energy ;

22/ 3,K/ 7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2008 Institution of Electrical Engineers. All rts. reserv.

06749387 INSPEC Abstract Number: B9712-8110B-084

Title: Application of load survey systems to proper tariff design

Author(s): Chen, C.S.; Hwang, J.C.; Huang, C.W.

Author Affiliation: Dept. of Electr. Eng., Nat. Taiwan Inst. of Technol., Taipei, Taiwan

Journal: IEEE Transactions on Power Systems vol.12, no.4 p.1746-51

Publisher: IEEE,

Publication Date: Nov. 1997 Country of Publication: USA

CODEN: ITPSEG ISSN: 0885-8950

SICI: 0885-8950(199711)12:4L:1746:ALSS;1-D

Material Identity Number: J607-97004

U.S. Copyright Clearance Center Code: 0885-8950/97/\$10.00

Language: English

Subfile: B

Copyright 1997, IEE

Abstract: This paper proposes a proper rate making strategy for a public owned utility by taking into account the customer load characteristics. The load survey system has been well designed by sampling theory to find the customers for power consumption information collection. By this manner, the typical load patterns derived can effectively represent the load behavior of each customer class. The load patterns of each test customer during different seasons are solved by statistical analysis according to the load information collected. The seasonal typical load pattern of each customer class is then determined by integrating the load patterns of the same type customers. The power consumption of the customer class is then estimated by the typical class load pattern and the energy consumption of all customers in the same class, which can be retrieved from the customer information database. The typical load pattern of whole power system is then determined by aggregating the power consumption of all customer classes. The estimated system load consumption is then compared to the

actual system load profile, it is found that a rather accurate system load profile can be predicted by the load survey system.

22/ 3,K/ 11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2008 Institution of Electrical Engineers. All rts. reserv.

02987251 INSPEC Abstract Number: B83010411
Title: Electricity pricing for high load factor customers in England and Wales
Author(s): Mitchell, J.M.; Horsley, A.
Author Affiliation: Gases Div., BOC Ltd., London, UK
Conference Title: Fourth International Conference on Metering, Apparatus and Tariffs for Electricity Supply p.189-93
Publisher: IEE, London, UK
Publication Date: 1982 Country of Publication: UK viii+ 229 pp.
Conference Date: 26-28 Oct. 1982 Conference Location: London, UK
Language: English
Subfile: B

Abstract: The Electricity Supply Industry in Great Britain is primarily regulated by the Electricity Acts 1947 and 1957. It is also required to take heed of White Papers published...

... another, where costs are based on normal accounting practice, whereas the White Papers advise the use on Long Run Marginal Cost (LRMC) techniques. The Acts also require that there is no undue discrimination between different classes of customer , which means that each class should be charged according to its cost of supply.

22/ 3,K/ 15 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01666135 ORDER NO: AAD13-91421
DEVELOPMENT OF COST OF SERVICE ALLOCATION FACTORS BY CUSTOMER CLASS FOR THE PUERTO RICO ELECTRIC POWER AUTHORITY
Author: TORRES GALARZA, LINDA
Degree: M.E.
Year: 1998
Corporate Source/Institution: UNIVERSITY OF PUERTO RICO, MAYAGUEZ (PUERTO RICO) (0553)
Source: VOLUME 37/01 of MASTERS ABSTRACTS.
PAGE 91. 100 PAGES

DEVELOPMENT OF COST OF SERVICE ALLOCATION FACTORS BY
CUSTOMER CLASS FOR THE
PUERTO RICO ELECTRIC POWER AUTHORITY
Descriptors: ECONOMICS, GENERAL ; ENERGY

...the updated cost of service allocation factors by class of customers for the Puerto Rico Electric Power Authority. The main types of cost allocation factors are energy , demand, and customers. These factors are used to assign the costs to supply the electric service per class of customers. These costs are classified by components (energy , demand, and customers) which represent the incurred cost type.

The energy factors were calculated using the net energy generated for each class of customers . Among the existing methods to calculate the demand factors, the following were selected: non-coincidental peak...

...The customer factors, developed using weighting factors, were grouped into two functions: distribution and customer service . The non-coincidental peak demand at meter and the meter cost per customer were used as weighing factors for the distribution function; meter reading time and employee wages were used for the customer service function.

Updated cost of service allocation factors will be used to design rates that provide enough revenues to continue the operation of the Puerto Rico Electric Power Authority.

22/ 3,K/ 17 (Item 6 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2008 ProQuest Info&Learning. All rts. reserv.

01430899 ORDER NO: AADAA-19532733
NATURAL GAS IN THE TWENTY-FIRST CENTURY: ADJUSTING TO THE
NEW REALITY
(PUBLIC UTILITIES)

Author: FOSS, MICHELLE MICHOT

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF HOUSTON (0087)

Source: VOLUME 56/05-A OF DISSERTATION ABSTRACTS
INTERNATIONAL.

PAGE 1961. 356 PAGES

...natural gas.

The link between technology, economics and policy best explains the politics of natural gas distribution. The existing institutional arrangement of franchise monopoly and public utility regulation, formed

in the 1800s and based on technologies that yield increasing economies of scale assumed across all customer classes, implies a particular set of relationships among affected interests. The politics surrounding the technology-driven shift toward greater...

...these with an analysis of state attributes affecting PUC decision making based on 2,361 rate case decisions from 1975 to 1992.

When LDCs are faced with bypass (direct sales by...

***** of interest*****

22/3/K/19 (Item 8 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2008 ProQuest Info&Learning. All rts. reserv.

01391364 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS
INT'L.

INFLUENCING WATER CONSUMPTION AT SOUTH STAFFORDSHIRE
WATER COMPANY: A
DISAGGREGATED BEHAVIOURAL ANALYSIS OF CONTRIBUTORY
FACTORS

Author: CAPENER, PAUL ANTHONY LE-PROVOST

Degree: PH.D.

Year: 1994

Corporate Source/Institution: UNIVERSITY OF ASTON IN BIRMINGHAM
(UNITED

KINGDOM) (0734)

Source: VOLUME 56/01-C OF DISSERTATION ABSTRACTS
INTERNATIONAL.

PAGE 280.

INFLUENCING WATER CONSUMPTION AT SOUTH STAFFORDSHIRE
WATER COMPANY: A
DISAGGREGATED BEHAVIOURAL ANALYSIS OF CONTRIBUTORY
FACTORS

This research identifies factors which influence the consumption of potable water supplied to customers property. A complete spectrum of the customer base is examined including household...

...from around the world, particularly demand management and tariff related projects from North America.

A device termed the Flow Moderator was developed and proven, with extensive trials, to conserve water at a rate equivalent to 40 litres/property/day whilst maintaining standards-of-service considerably...

...concept of a charging policy utilising the Moderator is developed and appraised. Advantages include the lower costs of conventional fixed-price

charging systems coupled with the conservation and equitability aspects associated with metering .

Explanatory models were developed linking consumption to a range of variables for customers of all classes . In particular the models demonstrated that households served by a communal water service -pipe (known in the UK as a shared supply) are subject to associated restrictions equivalent...

22/ 3,K/ 26 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2008 The HW Wilson Co. All rts. reserv.

1688320 H.W. WILSON RECORD NUMBER: BAST98036972

Is all rate discrimination illegal?

Kucera, Daniel J;

Water/Engineering & Management v. 145 no4 (Apr. '98) p. 13

DOCUMENT TYPE: Feature Article ISSN: 0273-2238

ABSTRACT: Discrimination in public utility ratemaking is sometimes legal. If service costs for certain customers are higher than for others, then a higher charge may be appropriate. However, it may be illegal to share costs incurred by a particular class of customer among all customers to avoid rate differences. Discounts for service to municipal facilities are approved of as legal discrimination. It is also legal to charge extra for irregular service needs.

~ ~ Bibliographic NPL files - 2

19/ 3,K/ 9 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2008 Elsevier Eng. Info. Inc. All rts. reserv.

08548481 E.I. No: EIP00055156959

Title: Synthesis of power system load profiles by class load study

Author: Chen, C.S.; Kang, M.S.; Hwang, J.C.; Huang, C.W.

Corporate Source: Natl Sun Yat-Sen Univ, Kaohsiung, Taiwan

Source: International Journal of Electrical Power and Energy System v 22
n 5 2000. p 325-330

Publication Year: 2000

CODEN: IEPSDC ISSN: 0142-0615

Language: English

...Abstract: and the typical load patterns derived are applied to solve the hourly load composition of all customer classes . The actual power consumption in each study district, which has been recorded by the Taipower distribution dispatch control system (DDCS), is used to verify the

accuracy of the power profiles derived. By the same way, the power profiles of Taipower system are then synthesized too. It is concluded that the system power profile can be estimated by the aggregation of class load patterns in a rather precise...

19/ 3,K/ 18 (Item 2 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 2008 Contains copyrighted material. All rts. reserv.

04021774 EDB-96-105534

Title: Customer and service profitability

Author(s): Ballaban, M.; Kelly, K.; Wisniewski, L.

Title: Proceedings: 1996 EPRI conference on innovative approaches to

electricity pricing: Managing the transition to market-based pricing
Corporate Source: Electric Power Research Inst., Palo Alto, CA (United States)

Conference Title: 1996 EPRI conference on innovative approaches to
electricity pricing: managing the transition market-based pricing

Conference Location: La Jolla, CA (United States) Conference Date: 27-29
Mar 1996

Publication Date: Mar 1996

p 21.1 (347 p)

Report Number(s): EPRI-TR-106232 CONF-960330--

Language: English

Abstract: The rapid pace of competitive change in the generation sector has pushed electric utilities to rethink the concept of being obligated to serve all customers and with this change, the notion of measuring customer profitability is also being redefined. Traditionally, uniform services were provided to all customers. Rates were based on each customer classes' contribution to average costs, and consequently return was equally allocated across all customer segments. Profitability was defined strictly on an aggregate basis. The increasing demand for choice by electric customers will require electricity providers to redefine if not who they serve, than certainly how they provide differentiated services tailored to specific customer segments. Utilities are beginning to analyze the value, or profitability, of offering these services. Aggregate data no...

19/ 3,K/ 19 (Item 3 from file: 103)
DIALOG(R)File 103:Energy SciTec
(c) 2008 Contains copyrighted material. All rts. reserv.

03596733 GB-93-053235; EDB-94-012699

Title: Development of remote meter reading system for distribution

automation

Author(s): Wada, M.; Nakamura, O. (Kansai Electric Power Co., Inc., Osaka (Japan)); Akiyama, K. (Toko Seiki Co. Ltd. (Japan))

Title: Seventh international conference on metering apparatus and tariffs

for electricity supply

Original Series Title: IEE Conference publication, no.367

Corporate Source: Institution of Electrical Engineers, London (United Kingdom)

Conference Title: 7. international conference on metering apparatus and tariffs for electricity supply

Conference Location: Glasgow (United Kingdom) Conference Date: 17-19 Nov

1992

Publisher: London (United Kingdom) Institution of Electrical Engineers

Publication Date: 1992

p 212-216 (319 p)

Report Number(s): CONF-9211279--

ISBN: 0 85296 555 9

Language: English

Abstract: A remote meter reading system for automatic electric power distribution consists of the following three sub-systems: a) distribution line operation automation system which...

...operation of the distribution system based on automatic data-acquisition of the distribution system; b) load control automation system in which the system assists load levelling operation by remote control of load equipment and measurement instruments while providing customers with optimum services; and c) automatic customer service system including a remote meter reading system, processing data in response to relocation of business premises and the supply of information of various types. In particular, the remote meter reading system, which is expected to enter full commercial operation soon, will not only reduce labor for meter reading operations but will also improve overall efficiency as part of our measures for the comprehensive automatic distribution. The meter system will also flexibly cope with the demand...

19/3,K/20 (Item 4 from file: 103)

DIALOG(R)File 103:Energy SciTec

(c) 2008 Contains copyrighted material. All rts. reserv.

02338306 EDB-89-084274

Title: Value of product differentiation in electricity markets

Author(s): Borison, A.; Morris, P.; Chamberlin, J.H.; Braithwait, C.L.

Affiliation: Applied Decision Analysis, Inc., Menlo Park, CA (USA)

Title: Moving towards integrated value-based planning: The issues

Corporate Source: Barakat, Howard and Chamberlin, Inc., Oakland, CA (USA)
Conference Title: Moving toward integrated value-based planning the issues
Conference Location: New Orleans, LA, USA Conference Date: 1 Dec 1987
Publication Date: Jul 1988

p 381-394

Report Number(s): EPRI-EM-5842; CONF-8712119-

Order Number: T188016610

Language: English

Title: Value of product differentiation in electricity markets

Abstract: Over the past few years, utilities have moved from commodity orientation to product differentiation by customizing electricity services for specific customer groups, namely: (1) lower reliability (and lower rates) to industrial customers...

...reliability (at increased cost) to commercial customers with sensitive electronics through back up generation and power conditioning equipment , and (3) quantity limits (and appropriate rebates) to residential customers through demand subscription- service programs. While these programs address important utility and customer needs, specialized services for limited groups represent a relatively small change in electricity making. The power of product differentiation is captured more completely when all customers can choose the type of service best suited to each portion of their electricity needs. This paper presents an illustrative example of full-scale product differentiation. A menu of electricity services with substantial differences in quality and reliability is described. Customer selections from this menu are predicted, and utility operations required to deliver these services are outlined. Then, the impacts on utility finances, customer costs, and customer satisfaction are evaluated. This example demonstrates the value of product differentiation in electricity markets.

Major Descriptors: *ELECTRIC UTILITIES -- MARKETING...

... ELECTRIC UTILITIES -- PLANNING

...Descriptors: ENERGY QUALITY

...Broader Terms: ENERGY ANALYSIS...

...PUBLIC UTILITIES

~ ~ Full text NPL files - 1

19/ 3,K/ 3

DIALOG(R)File 20:Dialog Global Reporter

(c) 2008 Dialog. All rts. reserv.

21246130 (USE FORMAT 7 OR 9 FOR FULLTEXT)

New Sharyland Utilities Service Lets Customers Be Meter Readers

Via The

Internet

PR NEWSWIRE

February 13, 2002

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 556

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Sharyland Utilities in these efforts. Currently, Sharyland Utilities is the only utility to offer this service to 100% of its customers. However, on an individual basis, we offer this type of service to customers across the United States. When deregulation of metering occurs in 2004, we plan to roll out the service to other electric utilities across the entire state of Texas."

MeterSmart also plans to offer additional fee-based services...

19/ 3,K/ 7

DIALOG(R)File 20:Dialog Global Reporter

(c) 2008 Dialog. All rts. reserv.

17987835 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Canadian Utility Customer Databases Support Marketing, Pricing, ESM And

Distributed Generation Analysis

PR NEWSWIRE

July 25, 2001

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 353

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... characteristics, equipment information and other energy-related variables including detailed electricity, natural gas and oil consumption data along with traditional firmographic information for over 25,000 commercial customer records throughout Canada. Databases provide hourly

load information for each customer record at two levels of detail: (1) 24 hourly loads for each of 3 day- types (peak day, average week day and weekend) in each of 12 months for electricity , gas and oil, and (2) all 8760 electric hourly loads for the entire year.

Customer data are also available for Metropolitan Areas and other locations...

19/ 3,K/ 17

DIALOG(R)File 20:Dialog Global Reporter

(c) 2008 Dialog. All rts. reserv.

11708982 (USE FORMAT 7 OR 9 FOR FULLTEXT)

CAISO and Utility Companies Issue Urgent Appeal to Reduce Electricity Use;

Utilities Directed to Curtail Non-Firm Customers

BUSINESS WIRE

June 27, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 464

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and ensure the availability of electricity for all Californians, Pacific Gas and Electric Company urges all of its customers -- residential and business -- to take these specific actions now:

-- Turn air conditioners to 78 degrees or higher.

-- Stop using electric water heaters, clothes dryers, dishwashers, washing machines...

19/ 3,K/ 28

DIALOG(R)File 20:Dialog Global Reporter

(c) 2008 Dialog. All rts. reserv.

09382919 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Citizens Gas & Coke Utility Selects Utility Partners' GasConnect Software Suite

BUSINESS WIRE

February 01, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 519

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... billing aggregation and account billing at many different levels, making the application useful to numerous customer types including individual customers, pool customers and managers and aggregate

customers and managers.

GasConnect PLUS expands the power and scope of...

19/ 3,K/ 30

DIALOG(R)File 20:Dialog Global Reporter

(c) 2008 Dialog. All rts. reserv.

08228913 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Pentech Energy Solutions Introduces Online Energy Management for Commercial

HVAC Systems; Get Off the Roof and Go Online

BUSINESS WIRE

November 15, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 768

... Energy Management and Control), the first wireless, Internet-based service that enables businesses with multiple locations to manage all their buildings' individual packaged HVAC (heating , ventilation and air conditioning) systems around the clock from anywhere in the world. E-MAC is targeted to owners...

~ ~ Full text NPL files - 2

***** of interest*****

25/ 3,K/ 6 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2008 ProQuest Info&Learning. All rts. reserv.

01330194 99-79590

Projects under way

Anonymous

American Gas v78n10 PP: 36-37 Nov 1996

ISSN: 1043-0652 JRNL CODE: GAS

WORD COUNT: 863

...TEXT: second-phase test in 50 homes in Walnut Creek, Calif., also provides meter-reading and energy management services; among other things, it enables customers to adjust the thermostats controlling their electric heating and air-conditioning systems based on time-of- use pricing signals from PG&E, and it remotely monitors the operation of electric appliances. Energy use information is displayed on customers' television sets.

"We're not necessarily going to have a...

25/ 3,K/ 10 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2008 ProQuest Info&Learning. All rts. reserv.

00890536 95-39928

Low-cost load research for electric utilities

Gray, David A; Butcher, Matthew

Fortnightly v132n15 PP: 40-43 Aug 1, 1994
ISSN: 0033-3808 JRNL CODE: PUF
WORD COUNT: 2520

...TEXT: accurate as possible in their estimates, and there are some direct applications for precise hourly load estimates. A good example of such an application is the calculation of peak responsibility for use in a cost-of-service study. Peak responsibility is often allocated among customer classes on the basis of each class's demand at the single hour of the utility's highest demand during the year.

However, peak responsibility calculated by combining data for the...

***** of interest*****

25/ 3,K/ 13 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

09059823 Supplier Number: 78872638 (USE FORMAT 7 FOR FULLTEXT)
LG&E upgrades energy monitoring services.(Brief Article)
Electric Light & Power, v79, n9, p26
Sept, 2001
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 138

(USE FORMAT 7 FOR FULLTEXT)

ABSTRACT:

TEXT:

...information services portfolio into its offerings for customers in Kentucky and neighboring markets. Enertech will use Datapult equipment and software to monitor customers' various energy loads including total energy usage, individual process loads and ambient temperature. Customers will be able to see profiles of their energy loads in...

***** of interest*****

25/ 3,K/ 14 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

08913443 Supplier Number: 77274145 (USE FORMAT 7 FOR FULLTEXT)
The Power Connection Selects Datapult(SM) as Provider of Energy Information

Services.
PR Newswire, p1616
August 17, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 651

... proprietary monitoring and meter data services utilizing Datapult technology that will empower customers to manage energy costs more efficiently.

TPC will use Datapult Information Sensors and MV90 metering equipment and software to monitor customers' various energy loads including total energy usage and individual process loads. Customers will be able, in fifteen-minute increments, to see profiles...

25/ 3,K/ 18 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

08198415 Supplier Number: 68877837 (USE FORMAT 7 FOR FULLTEXT)
PSE Customers Practice 'Next Generation' of Energy Management;
Puget Sound
Energy Urges Shifting Power Use to Off-Peak Times to Lower Demand.
Business Wire, p0614
Jan 8, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1310

-- 680,000 energy-efficient showerheads and faucet aerators distributed

-- Loans and grants for conservation measures provided to more than 33,000 commercial and industrial customers

-- 823 solar water - heating systems installed

-- Over 100,000 customers provided with energy efficiency services annually

Puget Sound Energy Recommended Energy -Saving Actions
Puget Sound Energy is Empowering Consumers to Manage Electricity Use, Control Costs
When...

25/ 3,K/ 22 (Item 12 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

07289297 Supplier Number: 61821785 (USE FORMAT 7 FOR FULLTEXT)
LODESTAR Helps Alliant Energy Consolidate Operations; LodeStar
Provides

Enterprise-Wide Load Analysis for Three Merged Utilities.
Business Wire, p1133
May 1, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 744

... hone the accuracy of the load research samples that create the
"typical" load profiles for each customer class. Data from across
all three utilities will be combined before calculating the profiles.
"As far as the standard load rate research analysis, we had three
companies (to analyze) and three separate methods to analyze them...

25/ 3,K/ 23 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

07284744 Supplier Number: 61803011 (USE FORMAT 7 FOR FULLTEXT)
Electric Bills, Cost-of-Service and Profit Data Available in New
Electric

Utility Service Area Customer Databases.
PR Newswire, pNA
April 12, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 246

... public utility districts, and coop areas. (see
<http://www.maisy.com/sadbase.htm> for a more detailed product
description).

Customer records include data on energy use (electricity ,
natural gas and oil), detailed hourly loads, building, equipment ,
occupant, other customer characteristics including monthly electric
and gas bills and measures of cost- of- service and profitability.
Electric bills reflect utility rate structures and each customer's
monthly and (as relevant) hourly electricity use; customer-detailed
cost-of-service is determined from each customer's hourly electricity use

***** of interest*****

25/ 3,K/ 29 (Item 19 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

05010554 Supplier Number: 47358598 (USE FORMAT 7 FOR FULLTEXT)
The refrigeration scroll compressor and its application
Hundy, G.F.; Kulkarni, S.; Hundy, G.F.; Kulkarni, S.
Air Conditioning, Heating & Refrigeration News, p3
May 5, 1997
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Trade
Word Count: 2701

... the TEWI value was lower for the scroll system. Following
installation of the scroll system, power consumption for the
refrigeration equipment at this particular site has been monitored
over the first half of 1996. Savings have exceeded expectations.
In installations such as supermarkets, where...

25/ 3,K/ 33 (Item 23 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2008 The Gale Group. All rts. reserv.

02888328 Supplier Number: 43896620 (USE FORMAT 7 FOR FULLTEXT)
GEORGIA POWER INSTALLS MAJOR COMMUNICATION SYSTEM FOR
DISTRIBUTION
AUTOMATION AND AUTOMATIC METER READING AT 1996 OLYMPIC
SITE
PR Newswire, p1
June 10, 1993
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 409

... focus is working with the utility
industry to implement real-time monitoring and control of utility
distribution networks encompassing customer metering sites,
switches,
transformers and other system elements. DAC equipment , including its
metering products, is in use at over 100 utilities across the United
States.

/CONTACT: Mark Elderkin of Domestic Automation, 415-508-6000/

25/ 3,K/ 36 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2008 The Gale Group. All rts. reserv.

0019760116 SUPPLIER NUMBER: 55569046 (USE FORMAT 7 OR 9
FOR FULL
TEXT)

UK GOVERNMENT: The end of the meter reader... co consumers need
smart
meters.

M2 Presswire, NA

August 25, 1999

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 838 LINE COUNT: 00075

... such as monthly billing or flexible prepayment terms to improve
payment collection.

- * Prevents fraud - advanced meters would enable immediate
detection of customer fraud.

- * More flexible tariffs - advanced meters would enable suppliers
to offer a wide range of tariffs - including 'time of day' tariffs so
customers can use their appliances when electricity is cheapest.

FOR THE ENVIRONMENT

- * Reduction in carbon emissions - advanced meters would enable
better energy...

25/ 3,K/ 40 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2008 The Gale Group. All rts. reserv.

11051674 SUPPLIER NUMBER: 54588884 (USE FORMAT 7 OR 9 FOR
FULL TEXT)

Accurate load data analysis shapes profitable future.

Gillman, Richard; Faruqui, Ahmad

Electric Light & Power, 77, 4, 26(1)

April, 1999

ISSN: 0013-4120 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 860 LINE COUNT: 00077

... characteristics and data quality) sites to construct each profile.

In the regression process, researchers statistically quantify the
relationship between the original sites' metered hourly HVAC
energy consumption (using hourly metered end-use data) and the
corresponding metered hourly temperature-humidity index (a function of
dry bulb temperature and dew point).

The HVAC...

25/ 3,K/ 46 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2008 The Gale Group. All rts. reserv.

05549802 SUPPLIER NUMBER: 11705005 (USE FORMAT 7 OR 9 FOR
FULL TEXT)

DEn encourages "DIY" computer-aided monitoring and targeting.
(Great

Britain's Department of Energy; do it yourself software program)
Petroleum Times, v11, n22, p4(2)

Nov 15, 1991

ISSN: 0261-3883 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1982 LINE COUNT: 00156

... the time involved -- is the increased chance of error. Bob
Eldridge, project manager in the energy unit, says the company's policy
on installing automatic meter monitoring devices may change in
future, but this could depend on equipment costs.

Some organisations -- especially those without several over 1MW
sites, such as local authorities -- haven't yet fully investigated the
various software options available. These...

***** of interest*****

25/ 3,K/ 48 (Item 13 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2008 The Gale Group. All rts. reserv.

04807626 SUPPLIER NUMBER: 09246473 (USE FORMAT 7 OR 9 FOR
FULL TEXT)

Users weighing the option of central Kw monitoring network.
Howard, Theresa

Energy User News, v15, n7, p24(2)

July, 1990

ISSN: 0162-9131 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1660 LINE COUNT: 00138

... readings exceed a setpoint, sources said.

However, some users have decided not to install the more
sophisticated systems, citing cost concerns, incompatibility with certain
building automation systems, and reluctance of building owners to provide
centralized monitoring equipment for tenant equipment such as
computers
that is not integral to the building.

While some owners feel monitoring should be left up to individual
tenants, others may be inclined to centralize the system either to provide
a service or to manage specific kinds of HVAC and electrical
systems on site.

New Systems

Among the companies that have recently introduced products compatible with building automation systems or that can be networked for centralized monitoring of voltage, current and transients are Basic Measuring Instruments (BMI), Foster City, Calif.; Dranetz Technologies Inc., Edison, N.J.; Esterline Angus, Indianapolis; and Power Measurement Ltd., Victoria, B.C.

BMI's PowerProfiler, Dranetz' Model 657, Esterline's Panel Master...

25/ 3,K/ 50 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2008 The Gale Group. All rts. reserv.

04589422 SUPPLIER NUMBER: 08490734 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The quiet revolution: electricity boards are looking to the new metering

technology to provide a range of customer care services.

Vince, R.

Electrical Review, v223, n6, p17(1)

March 21, 1990

ISSN: 0013-4384 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 902 LINE COUNT: 00076

... installation and connected appliances. * The customers's reaction to the system and concepts presented. * The electricity meter and associated equipment to provide customer services and customer care. *

The method of communication between the utility and the customer 's metering equipment .

One-way systems

To provide more flexibility than offered by the mechanical time switch and a more cost-effective solution than...

~ ~ Full text NPL files - 3

24/ 3,K/ 5 (Item 5 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2008 The Gale Group. All rts. reserv.

02939302 Supplier Number: 76647850 (USE FORMAT 007 FOR FULLTEXT)
LG&E Enertech Selects Datapult(SM) as Provider of Energy Monitoring

Services.

PR Newswire, p3207

July 20, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade
Word Count: 747

... to manage energy costs more efficiently.

Under the terms of the reseller agreement, Enertech will use Datapult equipment and software to monitor customers' various energy

loads including total energy usage, individual process loads and ambient temperature. Customers will therefore be able to see "profiles" of their energy loads...

24/3,K/8 (Item 8 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2008 The Gale Group. All rts. reserv.

02481640 Supplier Number: 61803011 (USE FORMAT 007 FOR FULLTEXT)
Electric Bills, Cost-of-Service and Profit Data Available in New
Electric

Utility Service Area Customer Databases.

PR Newswire, pNA

April 12, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 246

... public utility districts, and coop areas. (see
<http://www.maisy.com/sadbase.htm> for a more detailed product
description).

Customer records include data on energy use (electricity, natural gas and oil), detailed hourly loads, building, equipment, occupant, other customer characteristics including monthly electric and gas bills and measures of cost-of-service and profitability. Electric bills reflect utility rate structures and each customer's monthly and (as relevant) hourly electricity use; customer-detailed cost-of-service is determined from each customer's hourly electricity use

***** of interest*****

24/3,K/13 (Item 13 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2008 The Gale Group. All rts. reserv.

01445551 Supplier Number: 46837390 (USE FORMAT 007 FOR FULLTEXT)
Scientific-Atlanta is Selected by Gulf Power Company As
Communications

System Provider for Advanced Energy Management Applications
PR Newswire, p1028ATM015

Oct 28, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 627

... media, including Lonworks(R), CEBus(R), RF and hardwire.

The MainGate system resides at the customer site and facilitates communication between the utility and end-use devices that can include electric meters, thermostats, appliances, televisions and personal computers.

"Gulf Power is a leader in adopting new electric technologies and has a proven track record of...

24/3,K/26 (Item 6 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications

(c) 2008 McGraw-Hill Co. Inc. All rts. reserv.

00824720

LDC'S STATISTICAL METER-TESTING PLAN SET FOR HEARING BY MO.
PSC

Gas Utility Report, Vol. 238, No. 3, Pg 7

January 3, 1997

JOURNAL CODE: GUR

SECTION HEADING: SYSTEM OPERATIONS ISSN: 1074-3723

WORD COUNT: 500

TEXT:

Laclede employees make safety inspections of all of a customer's gas appliances that must be relighted after gas service is shut off to replace a faulty meter, the local said. In the course of such inspections, leaks and others hazards are regularly...

TABLE:

~ ~ Full text NPL files - 4

18/3,K/7 (Item 7 from file: 996)

DIALOG(R)File 996:NewsRoom 2000-2003

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0174030690 158W0XZ1

When Every Second Counts.(Eugene Water and Electric
Board)(Company Profile)

Bush, Rick

Transmission & Distribution World, pNA

Friday, December 1, 2000

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WORD COUNT: 1,759

...quality problems. In addition, the power-quality group would provide diagnostic assistance for EWEB's customers , internal departments and other utilities . Over the years, the power -quality group has selected and purchased an extensive array of monitoring equipment and simulation software tailored to the particular customer class power -quality analysis methodologies in EWEB's service territory. EWEB established professional contacts with mitigation equipment vendors and developers to solve specific problems and improve customer satisfaction. The following practical cases...